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10/814,842	03/30/2004	Jonathan J. Hull	20412-08351	6494
76137 7590 03/11/2009 RICOH/FENWICK SILICON VALLEY CENTER 801 CALIFORNIA STREET MOUNTAIN VIEW, CA 94041				
EXAMINER				
MCLEAN, NEIL R				
ART UNIT		PAPER NUMBER		
2625				
NOTIFICATION DATE		DELIVERY MODE		
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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### Office Action Summary

**Application No.**

10/814,842

**Applicant(s)**

HULL ET AL.

**Examiner**

Neil R. McLean

**Art Unit**

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 November 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 63-101 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 63-101 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-854)
- Paper No(s)/Mail Date 12/11/2008; 1/08/2009
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date: \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Status of Claims***

1. Claims 63-101 are pending in this application.

Claims 1-27 have been canceled.

Claims 28-62 are withdrawn.

### ***Information Disclosure Statement***

2. The information disclosure statements (IDS's) submitted on 12/11/2008 and 1/08/2009 are in compliance with the provisions of 37 CFR 1.97. Accordingly, these information disclosure statements are being considered by the Examiner.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 63-101 are rejected under 35 U.S.C. 102(e) as being anticipated by Reese et al. (US 7,298,512).

Regarding Claims 1-27: (Canceled)

Regarding Claims 28-62: (Withdrawn)

Regarding 63: (New)

A printer (FIG. 1) with an embedded multimedia server (e.g., embedded web server as described in Column 4, lines 1-3) for printing time-based media comprising:

a chassis for housing (e.g., The framework which holds the items shown in Figure 1);

a print engine for generating a printout of a storage representation and controlling printing to a plurality of storage media forms (e.g., Printer Mechanism 115 of the printer shown in Figure 1 and described in Column 3, lines 40-50), including removable storage media forms (e.g., Removable Memory Card 120 of Figure 1), the print engine being coupled to media holders (The media holders that hold e.g., non volatile memory described at Column 4, lines 39-41) and an output module (e.g., via I/O of Figure 1);

a monitoring module for monitoring streaming media content from a time-based media source input (e.g., Computer 203 of Figure 2);

the embedded multimedia server for selecting a portion of the monitored streaming media content based on a plurality of user defined criteria and for interfacing with interfaces for multiple types of media content, the embedded multimedia server being communicatively coupled to the monitoring module (e.g., the printer operator uses a computer over a network to interact with a web page executed by the embedded web server as described in Column 5, lines 9-11);

a content indexing module communicatively coupled to the embedded multimedia server for indexing the selected portion of the streaming media content (e.g., This web page may give the operator selectable options for different databases that the printer can access; Column 5, lines 11-13); and

the output module communicatively coupled to the embedded multimedia server for constructing the storable representation of the selected portion of the streaming media content (e.g., using Storage 209 of Figure 2).

Regarding Claim 64: (New)

The printer of claim 63, further comprising:

a network interface communicatively coupled to the embedded multimedia server for receiving a document in a print job (e.g., The input/output (I/O) connections 110 include any network interface cards required to interface the printer to a network (e.g., Ethernet); Column 3, lines 26-28.);

the embedded multimedia server further comprising:

a content processing module for extracting a Uniform Resource Locator from the document (e.g., The printer with the embedded server acts substantially like a computer on the Internet; Column 1, lines 55-56); and

a web server for retrieving a content web page identified by the Uniform Resource Locator referenced in the document (e.g., The printer, through the web server, can receive HyperText Transfer Protocol (HTTP) commands from over the Internet and send HyperText Markup Language (HTML) content back to the requester as described in Column 1, lines 56-59);

the output module constructing a printable web content representation of the retrieved content web page (e.g., The output of these programs can then be displayed on a web browser for use by the printer's user/operator; Column 1, lines 39-41);

an embedded printer display for a thumbnail image associated with the web content printable representation constructed by the embedded multimedia server (e.g., An input device 125 such as a keypad, touch sensitive display (e.g., liquid crystal display, cathode ray tube), or other type of input device may be coupled to the controller 100 to enable a printer user/operator to input commands or data to the printer controller 100 from the printer control panel; Column 3, lines 51-56); and

the print engine for making the web content printable representation available for printing to a selected printable medium responsive to the thumbnail image being selected in the embedded printer display (e.g., Printer Mechanism 115 of the printer shown in Figure 1 and described in Column 3, lines 40-50).

Regarding Claim 65: (New)

The printer of claim 63, wherein the print engine further comprises a removable storage medium format writer for electronic storage mediums (e.g., The printer may be comprised of additional memory such as storage media 120. The storage media memory 120 can include hard disk drives, floppy disk drives, optical drives, removable solid-state memory cards, or any other type of storage media. The storage media 120 may be fixed or removable as described in Column 3, lines 15-20).

Regarding Claim 66: (New)

The printer of claim 65, wherein the medium format writer is a digital video disc (DVD) writer (e.g., The printer may be comprised of additional memory such as storage media 120. The storage media memory 120 can include hard disk drives, floppy disk drives, optical drives, removable solid-state memory

cards, or any other type of storage media. The storage media 120 may be fixed or removable as described in Column 3, lines 15-20).

Regarding Claim 67: (New)

The printer of claim 63, wherein the print engine further comprises a removable storage medium format writer for optical storage mediums (e.g., The printer may be comprised of additional memory such as storage media 120. The storage media memory 120 can include hard disk drives, floppy disk drives, optical drives, removable solid-state memory cards, or any other type of storage media. The storage media 120 may be fixed or removable as described in Column 3, lines 15-20).

Regarding Claim 68: (New)

The printer of claim 63, wherein at least one of the media holders is a bandolier configured for holding a removable storage medium (The Examiner perceives a media holder to be e.g., a tray and a tray is an inherent feature of a printer).

Regarding Claim 69: (New)

The printer of claim 63, wherein the streaming media content from the time-based media source comprises multi-channel streaming media content (e.g., The printer with the embedded server acts substantially like a computer on the Internet; Column 1, lines 55-56).

Regarding Claim 70: (New)

The printer of claim 63, further comprising a content editing module for automatically segmenting the streaming media content into a plurality of media clips

based on an event in an audio channel associated with the streaming media (e.g., The printer with the embedded server acts substantially like a computer on the Internet; Column 1, lines 55-56).

Regarding Claim 71: (New)

The printer of claim 63, wherein the output module produces a removable storage medium comprising digital data corresponding to the storable representation and generates a bar code adapted to identify the selected portion of the streaming media content in the removable storage medium (e.g., a scanned form may have a form designator in a particular location that indicates which form was scanned; Column 5, lines 2-4).

Regarding Claim 72: (New)

The printer of claim 63, further comprising:

a user interface module for receiving user input to the printer indicating a participant speaker of a recorded video meeting (e.g., An input device 125 such as a keypad, touch sensitive display (e.g., liquid crystal display, cathode ray tube), or other type of input device may be coupled to the controller 100 to enable a printer user/operator to input commands or data to the printer controller 100 from the printer control panel; Column 3, lines 51-56);

the embedded multimedia server further comprising:

a content recognition module for performing multimedia content recognition on the streaming media content to determine one or more speakers in the recorded video meeting (The Examiner perceives that a printer with an embedded web server that can run programs which are available on e.g., the internet or a server is capable of the above limitation);



a content editing module for segmenting the streaming media content into a plurality of media clips based on which of the one or more speakers is speaking in the recorded video meeting (The Examiner perceives that a printer with an embedded web server that can run programs which are available on e.g., the internet or a server is capable of the above limitation); and

a content selection module for selecting a media clip from the plurality of media clips as the portion of the monitored streaming content, the user defined criteria comprising a time period when the participant speaker is the one or more speakers speaking in the recorded video meeting (The Examiner perceives that a printer with an embedded web server that can run programs which are available on e.g., the internet or a server is capable of the above limitation);

the content indexing module indexing the plurality of media clips by the one or more speakers in the recorded video meeting (The Examiner perceives that a printer with an embedded web server that can run programs which are available on e.g., the internet or a server is capable of the above limitation);

the output module constructing a storable media clip representation for the selected media clip (The Examiner perceives that a printer with an embedded web server that can run programs which are available on e.g., the internet or a server is capable of the above limitation); and

the print engine generating a printout of the storable media clip representation (e.g., Printer Mechanism 115 of the printer shown in Figure 1 and described in Column 3, lines 40-50).

Regarding Claim 73: (New)

The printer of claim 72, wherein the content recognition module applies a speech recognition method to determine an identity of the one or more speakers in the recorded video meeting (e.g., FIG. 2 illustrates a simplified system diagram in accordance with one embodiment of a

printing system of the present invention. The system includes a multifunction device 201 that has multiple functions in addition to printing such as scanning, an embedded web server, and ODBC capability).

Regarding Claim 74: (New)

The printer of claim 72, wherein the content recognition module applies a face recognition method to identify a visual appearance of the one or more speakers in the recorded video meeting (e.g., FIG. 2 illustrates a simplified system diagram in accordance with one embodiment of a printing system of the present invention. The system includes a multifunction device 201 that has multiple functions in addition to printing such as scanning, an embedded web server, and ODBC capability).

Regarding Claim 75: (New)

The printer of claim 72, wherein the content recognition module applies a voice matching method to identify a voice of the one or more speakers in the recorded video meeting (e.g., FIG. 2 illustrates a simplified system diagram in accordance with one embodiment of a printing system of the present invention. The system includes a multifunction device 201 that has multiple functions in addition to printing such as scanning, an embedded web server, and ODBC capability).

Regarding Claim 76: (New)

The printer of claim 72, wherein  
the user interface module receives a user input indicating a location of the participant speaker (e.g., An input device 125 such as a keypad, touch sensitive display (e.g., liquid crystal display, cathode ray tube), or other type of input device may be coupled to the controller 100 to enable a printer user/operator to input commands or data to the printer controller 100 from the printer control panel; Column 3, lines 51-56);

the content editing module segments the streaming media content into the plurality of media clips based on locations associated with the one or more speakers in the recorded video meeting (e.g., FIG. 2 illustrates a simplified system diagram in accordance with one embodiment of a printing system of the present invention. The system includes a multifunction device 201 that has multiple functions in addition to printing such as scanning, an embedded web server, and ODBC capability).; and

the content selection module selects the media clip illustrating a time period when the location associated with the one or more speakers in the recorded video meeting is the location of the participant speaker (e.g., FIG. 2 illustrates a simplified system diagram in accordance with one embodiment of a printing system of the present invention. The system includes a multifunction device 201 that has multiple functions in addition to printing such as scanning, an embedded web server, and ODBC capability).

Regarding Claim 77: (New)

The printer of claim 72, wherein the content recognition module applies a sound localization method to determine the locations associated with the one or more speakers in the recorded video meeting (e.g., FIG. 2 illustrates a simplified system diagram in accordance with one embodiment of a printing system of the present invention. The system includes a multifunction device 201 that has multiple functions in addition to printing such as scanning, an embedded web server, and ODBC capability).

Regarding Claims 78-95:

Claims 63-77 teaches the apparatus. Claims 78-95 are obvious in view of Reese because the method is achieved using the steps of Claims 63-77.

Regarding Claims 96-101:

Claims 78-95 teaches the method. Claims 96-101 are obvious in view of Reese because a computer-readable medium containing computer executable instructions is achieved using the method steps of Claims 78-95.

### ***Conclusion***

5 The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Tateyama et al. discloses an information processing apparatus which incorporates a printer unit therein.

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Neil R. McLean whose telephone number is (571)270-1679. The examiner can normally be reached on Monday through Friday 7:30AM-4:00PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K. Moore can be reached on 571.272.7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Neil R. McLean/  
Examiner, Art Unit 2625

/David K Moore/

Supervisory Patent Examiner, Art Unit 2625